

## **General Announcement & Call for Abstracts**

# **International Symposium on Bioenergy and Bioprocess Engineering (ISBBE 2007)**

Date: Nov. 21 (Wed) - 23 (Fri), 2007

Venue: East China University of Science and Technology (ECUST), Shanghai, China

Language: English

Website: <http://biotech.ecust.edu.cn/SKLBE/ISBBE/index.html>

### **About the Symposium**

In recent years, the energy crisis caused by the sharp increase of the oil price is threatening the world economy and social stability. Shifting the heavy dependence on petroleum to renewable energy is one of the most promising steps to set up a sustainable development pathway and relieve the greenhouse gas emissions. Biochemical engineers, together with biologists and chemists, are anticipated to play a more and more important role in the advancement of biotechnology and development of bioenergy industries. In order to provide a forum for exchanging up-to-date research results, discussing common research interests, exploring potential scientific cooperation, and improving friendship among active scientists from China and other parts of the world, an *International Symposium on Bioenergy and Bioprocess Engineering* (ISBBE 2007) is planned after discussion with our domestic and international colleagues. This event is a continual conference after the first (2003) and the second (2005) ISBBE conferences. The Society for Biological Engineering (SBE) under AIChE is a co-sponsor of ISBBE 2007. The selected presentations will be peer-reviewed and may be published as a Special Issue of the SCI-cited international journal "Process Biochemistry" (Elsevier).

We welcome senior scientists, young researchers, and excellent graduate students working on biology, chemistry, bioenergy, and/or engineering of biocatalysts to participate in this event at the East China University of Science and Technology (ECUST). The period of this event is specially arranged to link to the 4<sup>th</sup> Annual Conference of Chemical Engineering/Biochemical Engineering of China to be held on Nov. 26-29, 2007 in Hangzhou, China. The place is only about two hours to Shanghai by train. We encourage an early submission of high quality papers to this symposium.

## **Sponsors (in application)**

National Natural Science Foundation of China (NSFC)

Shanghai Science and Technology Commission (Magnolia Fund)

## **Scientific Advisory Board**

1. J.A. Howell, School of Chemical Engineering, University of Bath, UK
2. Raymond E. Spier, School of Biomedical and Life Sciences, University of Surrey, UK
3. Rolf D. Schmid, University of Stuttgart, Germany
4. Sakayu Shimizu, Kyoto University, Japan
5. Yasuhisa Asano, Prefectural University of Toyama, Japan
6. Uwe T Bornscheuer, University of Greifswald, Germany
7. Daniel I.C. Wang, Massachusetts Institute of Technology, Cambridge, MA, USA
8. James N Seiber, USDA Western Regional Research Center, Albany, CA, USA
9. Min Zhang, National Renewable Energy Laboratory, Golden, CO, USA
10. Dewey D.Y. Ryu, University of California, Davis, CA, USA
11. Sunghoon Park, Pusan National University, Pusan, Korea
12. Peter L Rogers, The University of New South Wales, Sydney, Australia
13. Y.-H. Percival Zhang, Virginia Polytechnic Institute and State University, Blacksburg, VA, USA
14. Feng Han, DuPont Asia Pacific, China
15. Mikhail V. Ivanov, Russian Academy of Sciences, Russia
16. Shengli Yang, Shanghai Life Science Institute, CAS, China
17. Pingkai Ouyang, Nanjing University of Technology, China
18. Yinchu Shen, Shanghai Pesticide Research Institute, China
19. Guoqiang Lin, Shanghai Institute of Organic Chemistry, CAS, China
20. Zixin Deng, Shanghai Jiao Tong University, China
21. Jian Chen, Jiangnan University, China
22. Tianwei Tan, Beijing University of Chemical Technology, China
23. Yanhe Ma, Beijing Institute of Microbiology, CAS, China
24. Jianchun Jiang, Nanjing Institute of Forest Chemistry, China
25. Daijie Chen, Shanghai Institute of Medicine Industry, China
26. Jianjiang Zhong, Shanghai Jiao Tong University, China
27. Zhuan Cao, Tsinghua University, China
28. Yinbo Qu, Shandong University, China
29. Peilin Cen, Zhejiang University, China
30. Shugui Cao, Jilin University, China
31. Xiaojun Ma, Dalian Institute of Chemistry Physics, China
32. Siliang Zhang, East China University of Science and Technology, China
33. Yuanxing Zhang, East China University of Science and Technology, China

34. Jianhe Xu, East China University of Science and Technology, China
35. Dongzhi Wei, East China University of Science and Technology, China
36. Wensong Tan, East China University of Science and Technology, China
37. Qin Ye, East China University of Science and Technology, China

## **Organizing Committee**

Chairman: Jie Bao, East China University of Science and Technology, China

Members: Daniel Auriel, Bayer Technology Service, China

Jie Bao, East China University of Science and Technology, China  
Changhua Chen, East China University of Science and Technology, China  
Fengxian Hu, East China University of Science and Technology, China  
Philip W. Lee, DuPont Central Research and Development, China  
Suxia Li, East China University of Science and Technology, China  
Xuqin Liu, East China University of Science and Technology, China  
Jiping Shi, Shanghai Tian Zhi Guan Renewable Energy Co. Ltd, China  
Yajie Tang, Hubei University of Technology, China  
Jingli Xie, East China University of Science and Technology, China  
Jian Yu, Shanghai Clean Energy Research and Promotion Center, China  
Guojing Zhao, Shanghai Shenneng New Energy Co. Ltd, China

## **Technical Program**

All the presentations will be run in oral sessions. The topics will reflect the latest development and emerging areas in biomass energy, bioprocess engineering and biomanufacturing industry.

- A. Bioethanol from lignocellulosic biomass
- B. Biodiesel: catalysis and feedstock options
- C. Fermentative and photosynthetic production of hydrogen
- D. Biological production of top value added chemicals from biomass
- E. Pilot and demonstration of integrated biorefineries
- F. Discovery and development of biocatalysts
- G. Biochemistry and molecular biology of enzymes;
- H. Biotransformations in organic synthesis;
- I. Industrial scale processes & development;
- J. Bioreaction engineering & downstream processing;

## **Submission of Abstracts**

Abstracts of original research are invited for either oral or poster presentations. Abstracts and a graphical summary should be prepared using the instructions and template below.

The organizers and members of the scientific advisory board will review the abstracts and notify each submitter whether their abstract have been accepted for an oral or poster presentation. The abstract should include results and conclusions in order to allow a scientific assessment of the work.

Publication of Abstracts: Abstracts will be published in the conference program, which will be distributed to all participants.

## Instructions

Title (Please choose a short insightful title)

Authors (First & middle initials & last name of all contributing authors; mark the presenting author with an asterisk)

Affiliation (Include the department, university, and mailing address)

Contact (Please provide the email address for the corresponding author)

Graphical summary: The graphic may be no wider than 6.5 inches (16.5 cm) and no taller than 2 inches (5 cm). Text in the graphic is limited to the labeling of compounds, reaction arrows, and diagrams. Please choose Arial font type, preferably at 8 pt but no smaller than 6 pt.

Abstract (maximum 1000 words): Provide a two or three-paragraph summary. Please outline the problem(s) and underlying hypothesis for your project, as well as the experimental approach, results and the conclusions from your work. Literature references maybe integrated in the text.

SUBMIT ABSTRACT to [bioreactor@ecust.edu.cn](mailto:bioreactor@ecust.edu.cn) or [jbao@ecust.edu.cn](mailto:jbao@ecust.edu.cn).

All accepted abstracts will be published in the symposium proceedings, which will be available at registration. **Authors should submit their abstracts via email attachment (in Microsoft Word file) NOT later than June 30th, 2007; or until conference is full.** It is determined that one applicant can only have one oral talk. The organizers encourage the participation by graduate students. We hope to ensure a well-interacted symposium for all the speakers.

## **Accommodation**

Shanghai Airlines Travel Hotel is a three-star hotel and in downtown area of Shanghai, 15 minutes walking distance from East China University of Science and Technology, the conference location. The hotel is approximately 1 hour driving distance from Pudong International Airport of Shanghai.

## **Contact Information**

If you know of colleagues who would be interested in this conference, please direct them to this website. For further information, please contact:

Dr. Jie Bao ([jbao@ecust.edu.cn](mailto:jbao@ecust.edu.cn)) or Ms. Xuqin Liu ([bioreactor@ecust.edu.cn](mailto:bioreactor@ecust.edu.cn))

Address: State Key Laboratory of Bioreactor Engineering, East China University of Science and Technology, 130 Meilong Road, Shanghai 200237, China  
Tel & Fax: 86-21-6425-2250

## **Conference fees**

The conference fees for participants include registration, admission to all conference sessions, accommodation in Shanghai Airline Hotel, welcome reception, farewell dinner, coffee breaks, and one set of proceedings. There will be no admission to the conference without registration. The conference fees are as follows.

Academic researcher: US\$300

Graduate student: US\$200

Accompanying person: US\$150

The conference may provide partial financial assistance to some participants upon their request, who have submitted high quality abstracts but have financial difficulties in attending this symposium. In this case, a reduced registration fee can be offered.

## **Important Dates**

E-mail submission of meeting abstract & application form: NOT later than June 30th, 2007.

Notification of acceptance by email: September 30<sup>th</sup>, 2007.

\*Upon our receipt of a submitted abstract, a confirmation email will be sent to the presenting author as soon as possible.

## **Application Form for Participation in the Bio & Bio Symposium**

Please submit this form and an abstract by email attachment before June 30th, 2007.

Name (the same spelling as in passport):

Passport number and Gender:

Job Title/Position:

Organization and detailed mailing address (including postal code):

Phone:

Fax:

E-mail:

For a graduate student: Advisor's Name, E-mail and Phone

Category of Presentation Topic: (please select from "A-J" as listed in the Technical Program)

Presentation Tool: Microsoft Office PowerPoint (PPT)

Submission of an abstract and application form indicates that the applicant will join in the meeting and pay the fees to the conference.